

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/50665

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01S3/139 H01S5/14 H01S5/0687

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 951 112 A (ANRITSU CORP) 20 October 1999 (1999-10-20) cited in the application column 18, line 25 - column 20, line 22 -----	1-15
Y	US 5 054 028 A (ESHERICK PETER ET AL) 1 October 1991 (1991-10-01) column 3, line 12 - line 56; figure 1 -----	1-15
A	US 6 608 847 B2 (ZHANG GUANGZHI Z. ET AL) 19 August 2003 (2003-08-19) column 11, line 52 - column 12, line 10; figure 7 ----- -/-	1-15

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

11 August 2004

Date of mailing of the international search report

19/08/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	MATTORI S ET AL: "A MODE HOPPING SUPPRESSED EXTERNAL-CAVITY SEMICONDUCTOR LASER USING FEEDBACK CONTROL" IEICE TRANSACTIONS ON ELECTRONICS, INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, JP, vol. E85-C, no. 1, January 2002 (2002-01), pages 98-103, XP001116769 ISSN: 0916-8524 page 100, right-hand column, paragraph 4; figure 4 -----	1-4, 6-15

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Information on patent family members

International Application No

PCT/EP 03/50665

Patent document cited in search report	Publication date		Patent family member(s)		Publication date
EP 0951112	A	20-10-1999	JP 3197869 B2 JP 11289118 A DE 69902963 D1 DE 69902963 T2 EP 0951112 A2 US 6081539 A		13-08-2001 19-10-1999 24-10-2002 28-05-2003 20-10-1999 27-06-2000
US 5054028	A	01-10-1991	NONE		
US 6608847	B2	03-04-2003	US 2003063633 A1		03-04-2003